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fully study the smaller animal life along certain routes of the Stikine River region. Extensive collections are said to have been made at points heretofore not visited by any naturalist.

It is planned later to publish a report based on this material with the field notes written during the summer months. Such a publication will be in the nature of a continuation of other reports based on previous explorations of the museum some years ago covering investigation of the animal life of the north-west coast of North America. Previous trips have covered much of the mainland and most of the islands off the coast of southeastern Alaska.

Miss Annie M. Alexander, founder of the Museum of Vertebrate Zoology of the University of California, made possible this year's work as well as past years' investigations.

#### JOINT MEETING OF THE AMERICAN PHYSICAL SOCIETY WITH THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

A JOINT meeting of the American Physical Society and the American Institute of Electrical Engineers, arranged by the Committee on Technical Physics, will be held in Philadelphia, at the Bellevue-Stratford Hotel, on Friday and Saturday, October 10 and 11, 1919.

The Technical sessions on Friday will be held in the Clover Room of the Bellevue-Stratford and the subscription dinner Friday evening in the Stratford Room. The technical sessions on Saturday will be held at the works of the Leeds and Northrup Company, where a complimentary luncheon will be served by the company.

The program is as follows:

FRIDAY, 9:00 A.M.

##### *Session of the Physical Society*

*Atomic structure*, papers by P. W. Bridgeman, of Harvard University, and by Irving Langmuir, of the Research Laboratory of the General Electric Company. There will be a formal discussion by Saul Dushman and others.

FRIDAY, 2:30 P.M.

##### *Session of the A. I. E. E.*

1. *The arrangement of atoms in metals*, by A. W. Hull, of the General Electric Research Labor-

atory. An X-ray study of crystal structures, illustrated with models of crystals.

2. *The oscillating vacuum tube as a generator of electrical power*, by J. H. Morecroft and H. T. Friis, both of Columbia University. Lantern slides of oscillograph records.
3. *Electromagnetic induction*, by J. S. Barnett, of the Department of Terrestrial Magnetism, Carnegie Institution.
4. *Piezo-electrical effect*, by A. M. Nichols, of the Western Electric Company. (Demonstration.)

FRIDAY, 6:00 P.M.

##### *Subscription Dinner*

Five minute talks by the presidents of the two societies.

FRIDAY, 8:00 P.M.

Technical papers by H. A. Bumstead, of Yale University, and J. J. Carty, Vice-president of the American Telephone and Telegraph Company.

SATURDAY MORNING

##### *Session of the Physical Society*

Inspection of the Leeds and Northrup laboratories.

Several semi-technical papers will be presented by the physicists of the Research Laboratories of the Leeds and Northrup Company.

SATURDAY NOON

Complimentary luncheon by the Leeds and Northrup Company.

Automobile ride around Germantown.

SATURDAY AFTERNOON

A regular session of the Physical Society will be held on Saturday afternoon in the auditorium of the Leeds and Northrup Company, for the reading of miscellaneous papers. Members wishing to present papers should send abstracts, *ready for publication*, to the secretary at once. Probably the program for this session will not be ready for distribution in advance of the meeting.

There will probably be opportunity for technical excursions to the Welsbach factory or a steamer ride on the Delaware River to Chester at 10:30 Friday morning. The steamer ride will be available Saturday morning also.

Other meetings of the American Physical Society will be held in Chicago on November 28 and 29, and in St. Louis in the week of December 29 to January 3. Members are urged

to submit abstracts of papers well in advance of the date of the meeting at which they are to be presented.

DAYTON C. MILLER,  
*Secretary*

CASE SCHOOL OF APPLIED SCIENCE,  
CLEVELAND, OHIO

THE RED CROSS AND PROFESSOR RICHARD P. STRONG

DR. RICHARD P. STRONG, professor of tropical medicine at the Harvard Medical School, sailed on October 2 for Europe, where he is to be general medical director of the League of Red Cross Societies, with headquarters in Geneva. He has been granted leave of absence for a year by Harvard University.

The league is a new international association of the Red Cross planned to act as a central agency for the improvement of public health, the prevention of disease and the mitigation of suffering throughout the world. It will also serve in cases of national or international disaster. Another of its purposes is to promote the welfare of mankind by furnishing a medium for bringing within the reach of all the peoples the benefits to be derived from present known facts, new contributions and medical knowledge and their application.

Henry P. Davison is chairman of the board of governors of the league, and the director-general of the league is Lieutenant-General Sir David Henderson, of Great Britain. The public health work and general medical activities of the league will be under the direction of Dr. Strong. In this position he will be the executive at Geneva responsible for stimulating the medical work of the various Red Cross societies and putting the latest medical information at the disposal of each of them. His office will be the general headquarters of the fight against epidemic diseases, such as that of influenza, which recently swept across the world, and particularly against the terrible typhus and other tropical epidemics.

Dr. Strong is fitted for this task by knowledge and experience. He went to the Harvard Medical School in 1913 with a distinguished record as a student of tropical diseases in the Philippine Islands, where he had begun as an

army medical officer. In 1915 he was the leader of the international corps of workers who combatted the typhus epidemic in Serbia which had taken many thousands of lives.

After the United States entered the war in 1917, Dr. Strong was in charge of the Division of Infectious Diseases of the American Expeditionary Forces. He has received the Distinguished Service Medal of the American Expeditionary Forces, the British Order of Commander of the Bath, Officer of the French Legion of Honor and the Chinese Striped Tiger, and has been made Grand Officer of the Serbian Cross of St. Salva.

SCIENTIFIC NOTES AND NEWS

THE autumn meeting of the National Academy of Sciences will be held on November 10, 11 and 12, at Yale University, New Haven, Connecticut. Announcement of the arrangements for the meeting will be made later by the local committee.

DR. R. W. WOOD, professor of physics in the Johns Hopkins University, has been elected a foreign member of the Royal Society, London.

THE nomination of Mr. James R. Riggs, as assistant secretary of agriculture, has been confirmed by the Senate.

DR. D. G. BYERS, of the University of Washington, recently a captain in the Chemical Warfare Service in Washington, has been appointed chief of the division of chemistry of the Bureau of Soils.

MAJOR DOUGLAS JOHNSON, professor of physiography at Columbia University, has returned from Paris where he served as chief of the Division of Boundary Geography on the American Commission to Negotiate Peace, and as a member of different international territorial commissions.

RUSSELL L. CECIL, M.D., lately major, M. C., U. S. Army, William A. Perlzweig, Ph.D., lately lieutenant, Sanitary Corps, U. S. Army, and Mr. G. I. Steffen, lately lieutenant, Sanitary Corps, U. S. Army, have been engaged by the U. S. Public Health Service to carry out experimental investigations on influenza and pneumonia. The work will be conducted